

Figure 1.

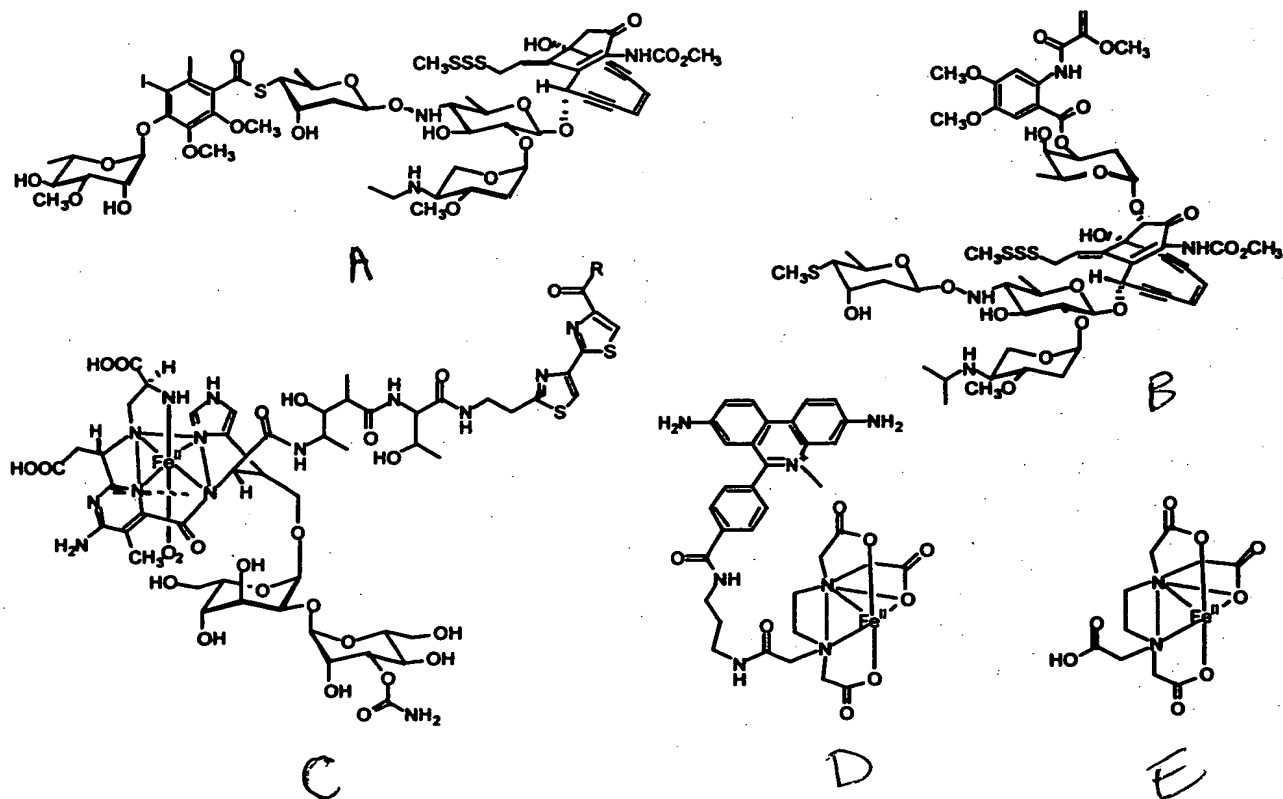


Figure 2.

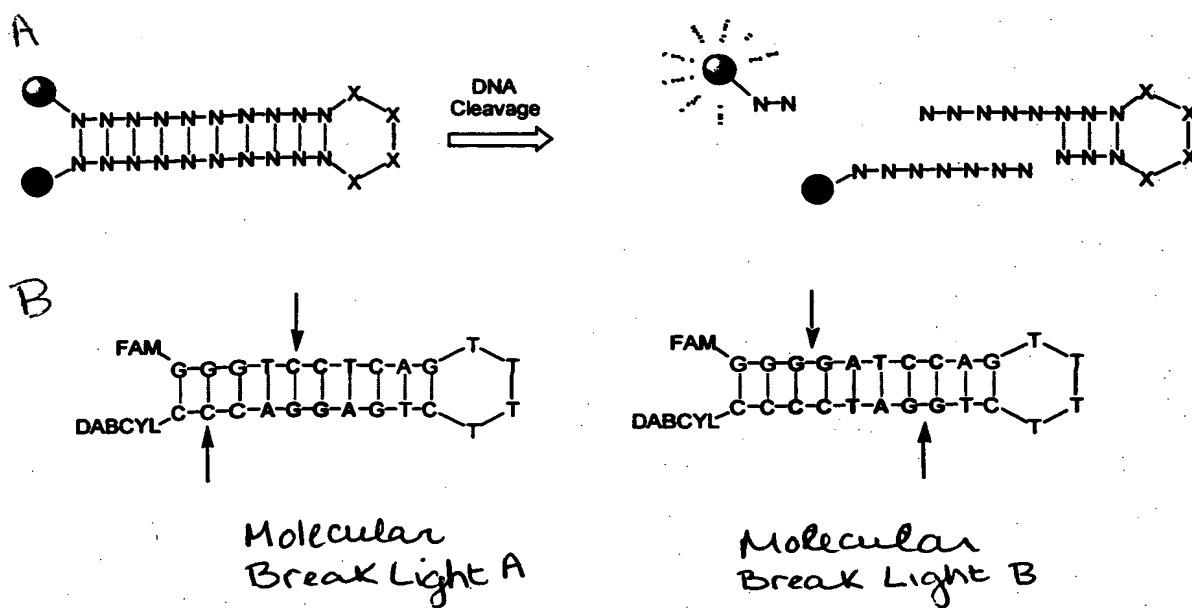


Figure 3.

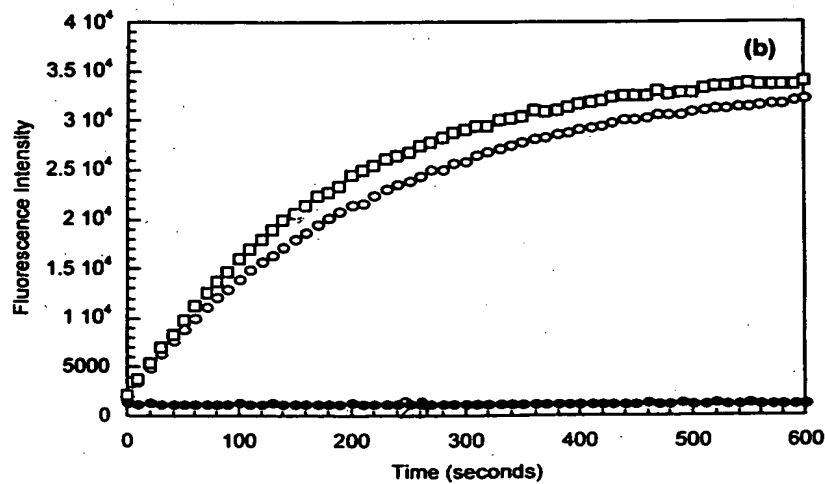
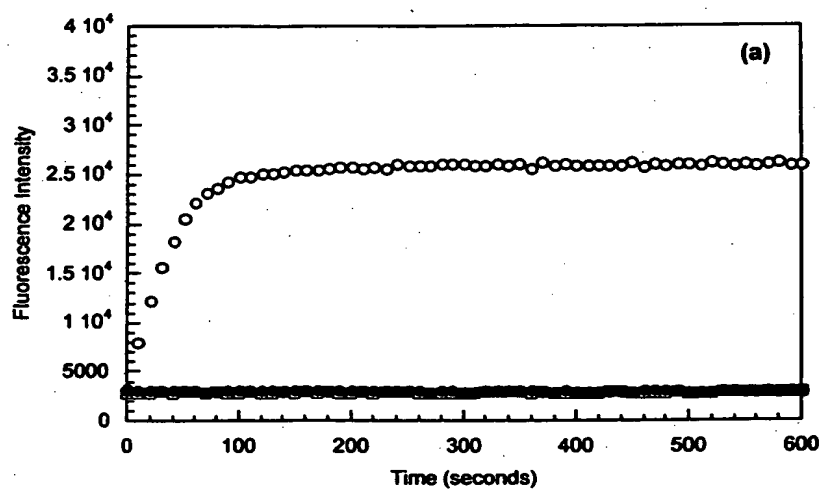


Figure 4.

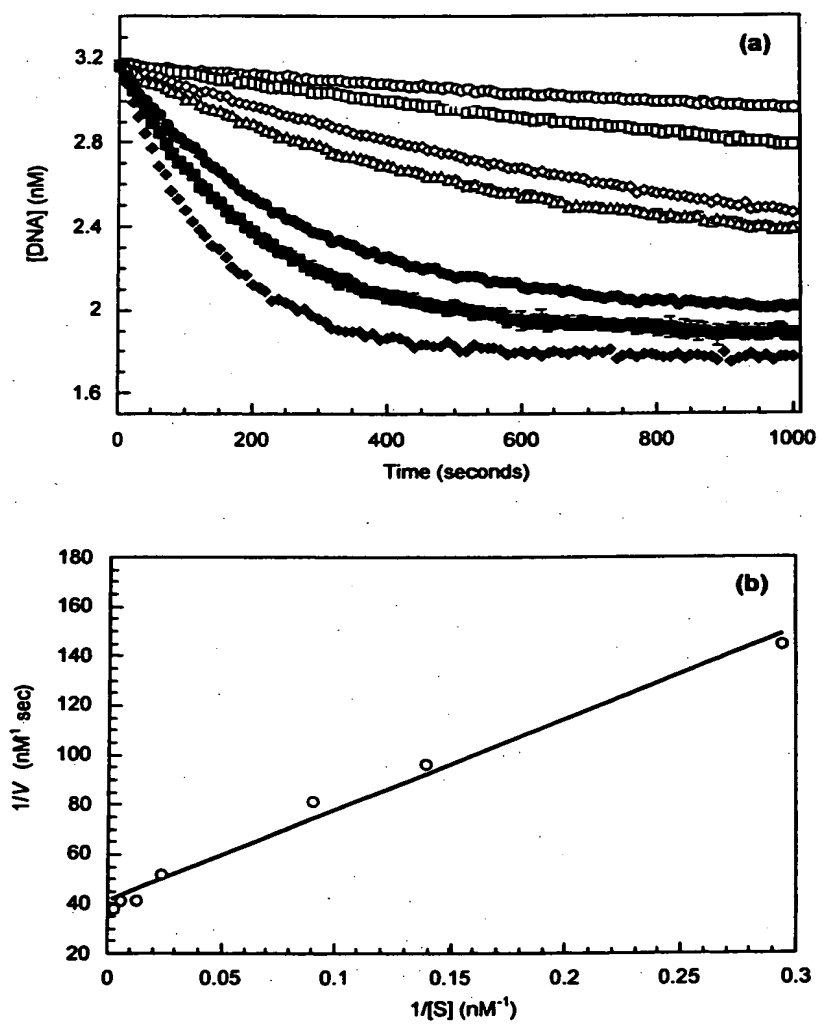
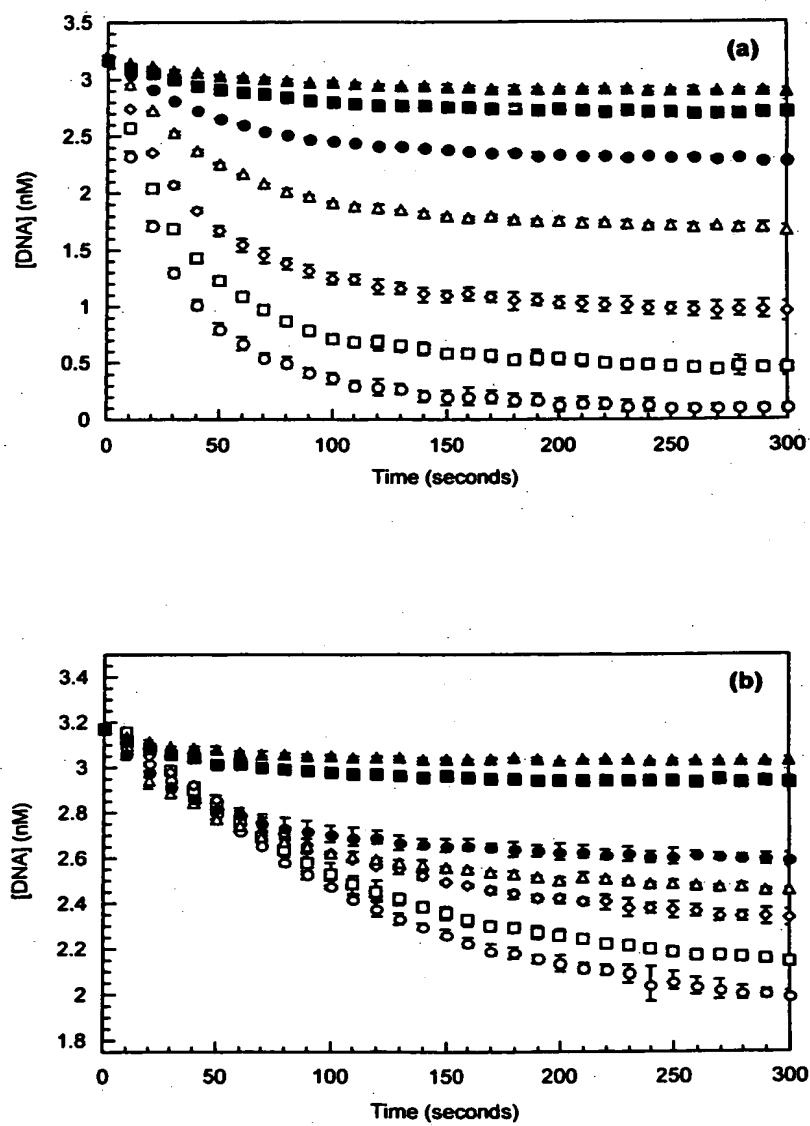


Figure 6.



**Figure 6 (continued).**

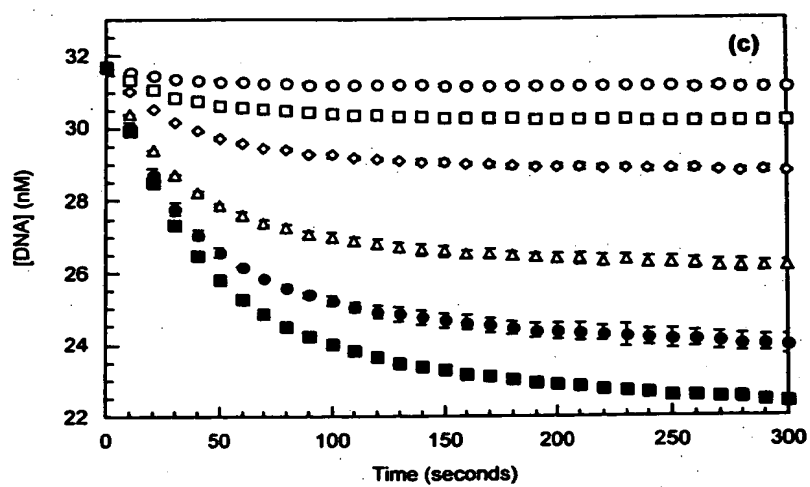


Figure 1(d) is a line graph showing the time course of DNA concentration  $[DNA]$  (nM) versus Time (seconds) for the reaction of 100 nM DNA with 100 nM of the 1000 bp DNA fragment. The graph shows three data series: open triangles (top), open diamonds (middle), and open squares (bottom). All series show a decrease in DNA concentration over time, with the open squares series showing the most rapid decrease.

Time (seconds)	$[DNA]$ (nM) - Open Triangles	$[DNA]$ (nM) - Open Diamonds	$[DNA]$ (nM) - Open Squares
0	31.7	31.7	31.7
25	31.7	31.3	31.0
50	31.7	30.8	30.6
75	31.6	30.4	30.2
100	31.6	30.1	29.9
125	31.5	29.8	29.6
150	31.5	29.6	29.4
175	31.4	29.4	29.2
200	31.3	29.2	29.0
225	31.2	29.0	28.8
250	31.1	28.9	28.7
275	31.0	28.8	28.6
300	30.8	28.7	28.5

•

1.  $\frac{1}{2}$  of the total population of the country is under 15 years of age.  
 2. The population is increasing at a rate of 1.5% per year.  
 3. The population is increasing at a rate of 1.5% per year.  
 4. The population is increasing at a rate of 1.5% per year.  
 5. The population is increasing at a rate of 1.5% per year.  
 6. The population is increasing at a rate of 1.5% per year.  
 7. The population is increasing at a rate of 1.5% per year.  
 8. The population is increasing at a rate of 1.5% per year.  
 9. The population is increasing at a rate of 1.5% per year.  
 10. The population is increasing at a rate of 1.5% per year.

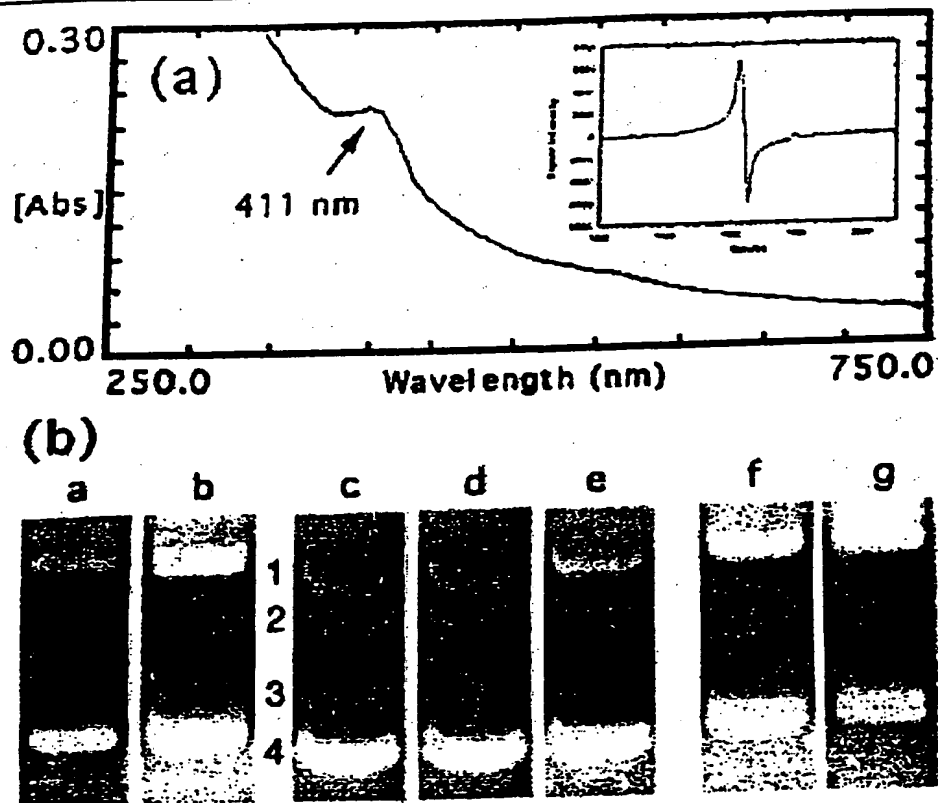


Fig. 7



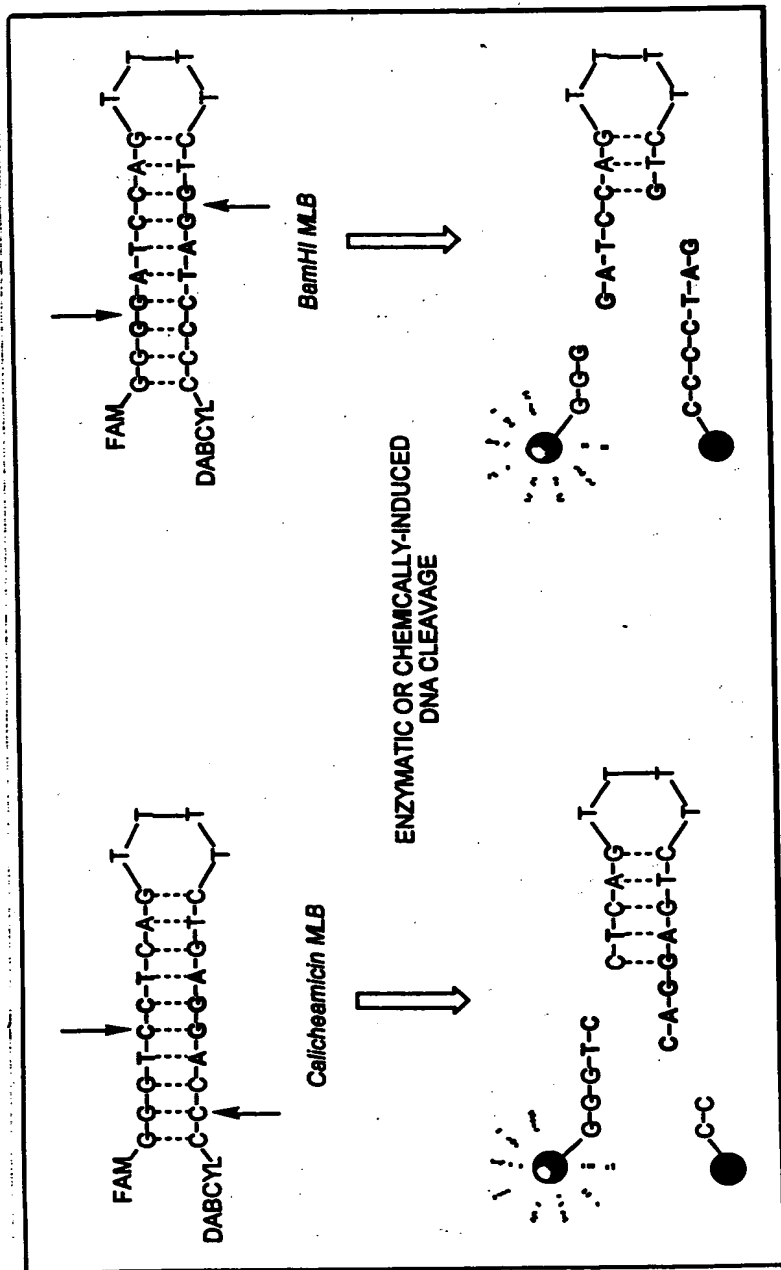


Fig 8

CaIC (nmol)

0.0  
1.3  
2.6  
3.9  
5.2

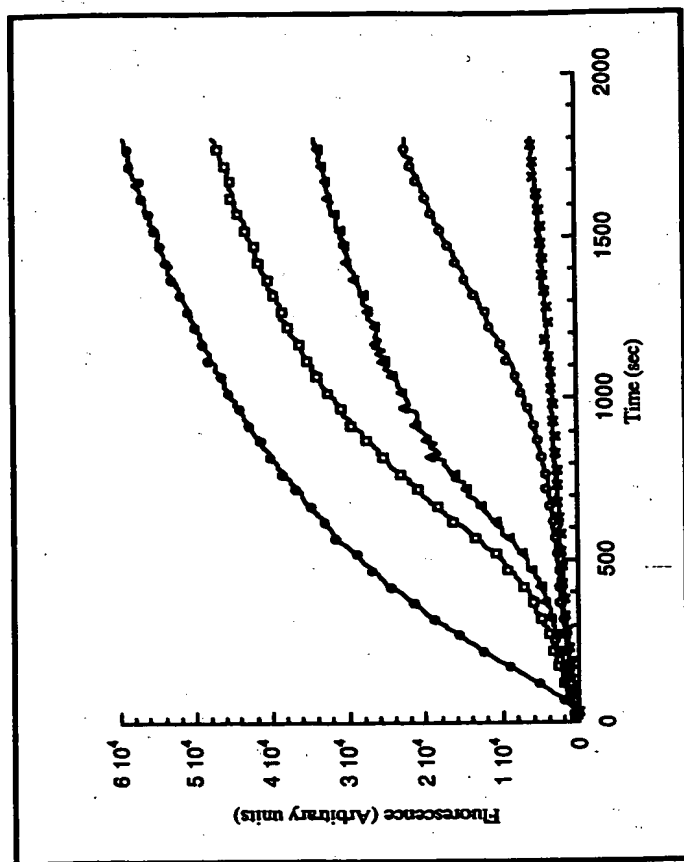


Fig 9

Table 1. A comparison of cleavage efficiencies.

		Agent	$V_{\max}$ (nM sec <sup>-1</sup> )	Turnover (sec <sup>-1</sup> ) <sup>a</sup>	Comparison to EDTA <sup>b</sup>
enzymatic	[	<i>BamHI</i>	0.024 ± 0.001	0.007 <sup>c</sup>	4.8 × 10 <sup>5</sup>
		<i>Esperamicin A<sub>1</sub></i>	0.007 ± 0.001 <sup>d</sup>	0.009	6.1 × 10 <sup>5</sup>
		<i>Calicheamicin γ<sub>1</sub></i> <sup>f</sup>	0.011 ± 0.002 <sup>d</sup>	0.007	4.8 × 10 <sup>5</sup>
small		<i>Bleomycin</i>	0.009 ± 0.001 <sup>d</sup>	0.001	6.8 × 10 <sup>4</sup>
molecule		<i>Methidiumpropyl-EDTA</i>	0.003 ± 0.001 <sup>d</sup>	2.4 × 10 <sup>-5</sup>	1.6 × 10 <sup>3</sup>
catalyzed	[	<i>Methidiumpropyl-EDTA</i>	0.118 ± 0.004 <sup>e</sup>	0.002	1.6 × 10 <sup>3</sup>
		<i>EDTA</i>	0.002 ± 0.001 <sup>e</sup>	1.5 × 10 <sup>-6</sup>	1.0

<sup>a</sup>defined as  $V_{\max}/[\text{Agent}]$ ; <sup>b</sup>fold enhancement over EDTA turnover; <sup>c</sup>also known as  $k_{\text{cat}}$ ; <sup>d</sup> $[\text{DNA}]_{\text{total}} = 3.2$  nM; <sup>e</sup> $[\text{DNA}]_{\text{total}} = 32$  nM

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